

Name: _____

at1110paper__practice__test (v23)

1. Expand the following expression into standard form.

$$(7x + 8)(3x + 4)$$

2. Solve the equation.

$$(7x - 4)(8x + 3) = 0$$

3. Expand the following expression into standard form.

$$(7x + 2)(7x - 2)$$

4. Expand the following expression into standard form.

$$(3x - 4)^2$$

5. Factor the expression.

$$x^2 + 17x + 72$$

6. Factor the expression.

$$16x^2 - 81$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 18x - 10x - 12 = 0$$

8. Solve the equation.

$$7x^2 - 13x + 1 = 4x^2 - 2x - 5$$